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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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09/169,190 10/08/98 FREDENBURG

T P1866C/1053

EXAMINER

LM01/0719

EDOUARD, P

ART UNIT

PAPER NUMBER

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2747

DATE MAILED:

07/19/99

**Please find below and/or attached an Office communication concerning this application or proceeding.**

**Commissioner of Patents and Trademarks**

# Office Action Summary

Application No.  
**08/169,190**

Applicant(s)

**Fredenburg**

Examiner

**Patrick N. Edouard**

Group Art Unit

**2747**

☒ Responsive to communication(s) filed on May 10, 1999

☐ This action is **FINAL**.

☐ Since this application is in condition for allowance except for formal matters, **prosecution as to the merits is closed** in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire 3 month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

## Disposition of Claims

☒ Claim(s) 34-40, 42-47, and 49-55 is/are pending in the application.

Of the above, claim(s) \_\_\_\_\_ is/are withdrawn from consideration.

☒ Claim(s) 40, 42-47, and 49 is/are allowed.

☒ Claim(s) 34-39 and 50-54 is/are rejected.

☒ Claim(s) 55 is/are objected to.

☐ Claims \_\_\_\_\_ are subject to restriction or election requirement.

## Application Papers

☐ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.

☐ The drawing(s) filed on \_\_\_\_\_ is/are objected to by the Examiner.

☐ The proposed drawing correction, filed on \_\_\_\_\_ is ☐ approved ☐ disapproved.

☐ The specification is objected to by the Examiner.

☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. § 119

☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

☐ All ☐ Some\* ☐ None of the CERTIFIED copies of the priority documents have been  
☐ received.

☐ received in Application No. (Series Code/Serial Number) \_\_\_\_\_

☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\*Certified copies not received: \_\_\_\_\_

☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

## Attachment(s)

☐ Notice of References Cited, PTO-892

☐ Information Disclosure Statement(s), PTO-1449, Paper No(s). \_\_\_\_\_

☐ Interview Summary, PTO-413

☐ Notice of Draftsperson's Patent Drawing Review, PTO-948

☐ Notice of Informal Patent Application, PTO-152

--- SEE OFFICE ACTION ON THE FOLLOWING PAGES ---

Art Unit:

### **DETAILED ACTION**

1. This Office Action is in response to communication filed 5-10-99 (paper #4) . Claims 34-40, 42-47 and 49-55 are pending. Claims 41 and 48 are canceled.

#### ***Allowable Subject Matter***

2. The following is a statement of reasons for the indication of allowable subject matter: as per claims 40, the prior art of record do not teach wherein a matching step uses correspondence phonetic entry to match said at least one correspondence in generating a compressed pronunciation dictionary.

3. Claim 55 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

#### ***Response to Arguments***

4. Applicant's arguments with respect to claims 34-39, and 50-55 have been considered but are moot in view of the new ground(s) of rejection.

Art Unit:

***Claim Rejections - 35 USC § 103***

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 34- 39 and 50-54 are rejected under 35 U.S.C. 103(a) as being unpatentable over Heising (5,333,313) in view of (5,799,276)

As per claims 34, 50 and 53-54, Heising teaches a computer data storage medium storing a correspondence table which enables compression of a pronunciation dictionary, the correspondence table comprising:

“A plurality of correspondence set, each correspondence set including:

“A correspondence text entry”(col. 3, Lines 36-38);

“A correspondence phoneme entry representing the pronunciation of the correspondence text entry”(col. 3, lines 36-40); and \_

“A correspondence symbol identifying the correspondence set”(col. 3, lines 39-41).

It is noted that Heising teaches the claimed invention but do not explicitly teach a correspondence symbol for use as a compressed data entry in generating said compressed pronunciation dictionary. However, Komissarchik et al teach at col. 37 and 38 lines 54-68 through col. 38, lines 1-40 a phonetic dictionary 40 that comprises a series of entries for each word that is understood by the speech recognition system with entries corresponding to phonetic

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and syntactic information. Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the compressed phonetic dictionary of Komissarchik et al in the device of Heising using a symbol to identify the entry because it would provide a faster way of retrieving information from the dictionary.

As per claims 35 and 51-52, the computer data storage medium further storing a tuning function for optimizing said correspondence table”(col. 4, lines 46-56).

As per claims 36, Heising teaches wherein said tuning function eliminates redundant correspondence sets and low usage correspondence sets from said correspondence table”(col. 4, lines 51-56).

As per claim 37, Heising teaches wherein said correspondence table includes said correspondence sets for all practical combinations of said correspondence text entries and said correspondence phoneme entries for a given language”(claim 1, , lines 15-20).

As per claims 38 and 39, Heising teaches the computer data storage medium further storing a grouping of a plurality of said correspondence sets”(col. 7, lines 37-46).

7. Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to:

Art Unit:

(703) 308-9051, (for formal communications intended for entry)

Or:

(703) 305-9508 (for informal or draft communications, please label

"PROPOSED" or "DRAFT")

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA.,  
Sixth Floor (Receptionist).

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Patrick N. Edouard whose telephone number is (703) 308-6725. The examiner can normally be reached on Tuesday-Friday from 07:30 a.m.-6:00 p.m.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Forester W. Isen, can be reached on (703) 30305-4386.

The facsimile phone number for this Art Unit is (703) 305-9508. Alternatively, facsimile messages may be sent directly to (703) 305-9644 where they will be stored in the examiner's voice mailbox (telling the examiner that a fax was received) and be automatically printed (i.e. - no delay by the examiner).

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 305-3900.

Patrick N. Edouard

July 16, 1999

  
**FORESTER W. ISEN**  
**SUPERVISORY PATENT EXAMINER**  
**TECHNOLOGY CENTER 2700**